



EP-REF
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US PATENT & TRADEMARK
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Atty. Ref.: 4883-3

KIM ET AL.

TC/A.U.: Unknown

Serial No. 10/576,831

Examiner: Unknown

Filed: April 24, 2006

Confirmation No.:

For: SYSTEM AND METHOD FOR DETERMINING POSITION
OF MOBILE COMMUNICATION DEVICE BY GRID-
BASED PATTERN MATCHING ALGORITHM

* * * * *

August 24, 2006

Mail Stop 16
Director of the U.S. Patent and Trademark Office
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Alexandria, VA 22313-1450

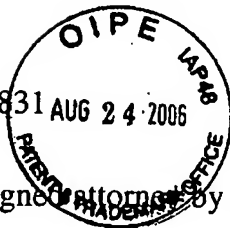
Sir:

REQUEST FOR REFUND

A refund is respectfully requested for the overpayment made when this application was filed. When the application was filed, applicant's attorney correctly listed "\$690.00" as the basic filing fee (small entity) of this patent application (copy of transmittal letter enclosed). The Patent Office charged the large entity fee of "\$1140.00" (see enclosed statement). Therefore it is requested that the overpayment of \$450.00 be refunded to

KIM ET AL.

Serial No. 10/576,831



applicant's undersigned attorney by crediting \$450.00 to our Account No. 14-1140. For this purpose a duplicate copy of this paper is enclosed.

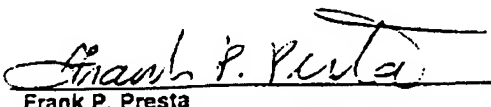
Respectfully submitted,

NIXON & VANDERHYE P.C.

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| FORM PTO-1330 MODIFIED | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER 4883-3 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Unknown |
| INTERNATIONAL APPLICATION NO. PCT/KR2005/002979 | INTERNATIONAL FILING DATE 9 September 2005 | PRIORITY DATE CLAIMED 17 September 2004 |
| TITLE OF INVENTION SYSTEM AND METHOD FOR DETERMINING POSITION OF MOBILE COMMUNICATION DEVICE BY GRID-BASED PATTERN MATCHING ALGORITHM | | |
| APPLICANT(S) FOR DO/EO/US <div style="display: flex; justify-content: space-between;"> AUG 24 2006 KIM ET AL. </div> | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The U.S. has been elected (Article 31). 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> WO 2006/031035 is attached hereto (27 pages specification, claims & abstract (18 claims), 16 sheets drawings). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> is attached hereto (pages specification, claims & abstract (claims), sheets drawings, page Certificate of Translation). b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. a. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). b. <input type="checkbox"/> Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 To 20 below concern document(s) or information included: | | |
| 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. 13. a. <input checked="" type="checkbox"/> A FIRST preliminary amendment. b. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information. International Search Report | | |

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|---|--|---|------------|--|------------------------------------|
| U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) | | INTERNATIONAL APPLICATION NO. | | ATTORNEY'S DOCKET NUMBER | |
| Unknown | | PCT/KR2005/002979 | | 4883-3 | |
| <input checked="" type="checkbox"/> The following fees are submitted: | | | | | |
| BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5)): | | | | | |
| 21. | <input checked="" type="checkbox"/> Basic national fee | \$300.00 (1631)/\$150.00 (2631) | | \$ | 150.00 |
| 22. | <input checked="" type="checkbox"/> Examination Fee | \$200.00 (1633)/\$100.00 (2633) | | \$ | 100.00 |
| 23. | <input checked="" type="checkbox"/> Search Fee | \$100 (1641)/\$50 (2641) | | | |
| | | \$400 (1642)/\$200 (2642) | | | |
| | | \$500.00 (1632)/\$250.00 (2632) | | \$ | 200.00 |
| TOTAL OF ABOVE CALCULATIONS | | | | \$ | 450.00 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | | RATE | |
| 43 | -100 | 0 | /50 = | 0.00 | \$0.00 (1681) \$0.00 (2681) |
| Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)). | | | | | |
| CLAIMS | | NUMBER FILED | # EXTRA | RATE | |
| Total Claims | | 18 | minus 20 = | 0 X | \$50.00 (1615)/ \$25.00 (2615) |
| Independent Claims | | 5 | minus 3 = | 2 X | \$200.00 (1614) \$100.00 (2614) |
| MULTIPLE DEPENDENT CLAIMS(S) (if applicable) | | | | \$360.00 (1616)/\$180.00 (2616) | |
| Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254) | | | | | |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. | | | | | |
| Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)). | | | | | |
| | | | | TOTAL NATIONAL FEE = | |
| | | | | \$ | 650.00 |
| Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property + | | | | | |
| | | | | \$ | 40.00 |
| Fee for Petition to Revive Unintentionally Abandoned Application: \$1500.00 (1453) / \$750.00 (2453) | | | | | |
| | | | | \$ | 0.00 |
| | | | | TOTAL FEES ENCLOSED = | |
| | | | | \$ | 690.00 |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be Charged: | \$ |
| a. <input type="checkbox"/> A check in the amount of \$690.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees. A duplicate copy of this form is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed. d. <input checked="" type="checkbox"/> CREDIT CARD PAYMENT FORM ATTACHED. e. <input checked="" type="checkbox"/> The entire content of International Application No. PCT/KR2005/002979 and any U.S. and foreign application(s) corresponding thereto, and KR-10-0074421, KR 10-2005-0011678, and KR 10-2005-0081293, referred to in this application is/are hereby incorporated by reference in this application. NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status. CORRESPONDENCE ADDRESS Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number: 23117 <small>Type Customer Number here</small> Telephone: (703) 816-4000 FPP:jsm | | | | | |
| | | | |  Frank P. Presta NAME 19.828 April 24, 2006 REGISTRATION NUMBER Date | |

Prepared For
ROBERT BARNAS/CBA
NIXON & VANDERHYE PC

Account Number
3782-926477-21007

Activity Continued

**Foreign Currency conversion rate is
base rate plus 2%. See page 2 for details.

Reference Code

Foreign Spending

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|----------|---|----------------|-------------|------------------|
| 05/05/06 | US PATENT TRADEMARK 703-3054631 10576815 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007834 | VA 05/04/06 | 00010576815 | |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 10576874 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007842 | VA 05/04/06 | 00010576874 | |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 10577062 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007857 | VA 05/04/06 | 00010577062 | 1,030.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 10576831 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007875 | VA 05/04/06 | 00010576831 | 1,140.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 10876534 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007894 | VA 05/04/06 | 00010876534 | 1,718.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 09801672 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007899 | VA 05/04/06 | 00009801672 | 1,715.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 10483402 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007905 | VA 05/04/06 | 00010483402 | 1,706.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 09787767 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007912 | VA 05/04/06 | 00009787767 | 1,415.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 11150585 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007917 | VA 05/04/06 | 00011150585 | 1,715.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 09532024 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007921 | VA 05/04/06 | 00009532024 | 1,412.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 10705819 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007927 | VA 05/04/06 | 00010705819 | 1,712.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 60796895 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000008166 | VA 05/04/06 | 00060796895 | 200.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 10309175 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000008203 | VA 05/04/06 | 00010309175 | 1,020.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 11341888 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000008207 | VA 05/04/06 | 00011341888 | 1,170.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 60796851 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000008661 | VA 05/04/06 | 00060796851 | 200.00 |
| 05/05/06 | US PATENT TRADEMARK 703-3054631 11196503 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007703 | VA 05/04/06 | 00011196503 | 250.00 Credit |
| 05/06/06 | US PATENT TRADEMARK 703-3054631 11416160 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000009841 | VA 05/04/06 | 00011416160 | 2,200.00 |

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